

Supporting information

An Advanced Asymmetric Supercapacitor Based on the Binder-free Electrode Fabricated from Ultrathin CoMoO₄ Nano-Dandelions

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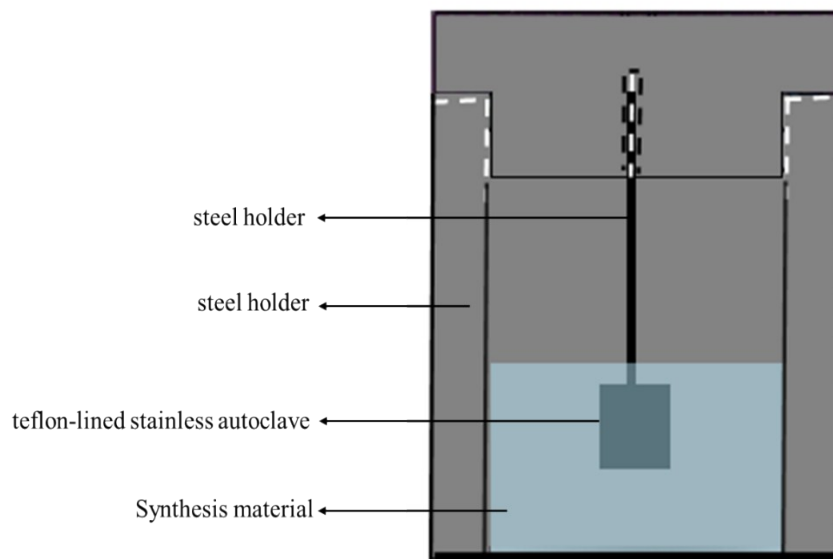
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Schematic S1. Schematic of Teflon-line stainless autoclave with a steel holder for keeping vertically N

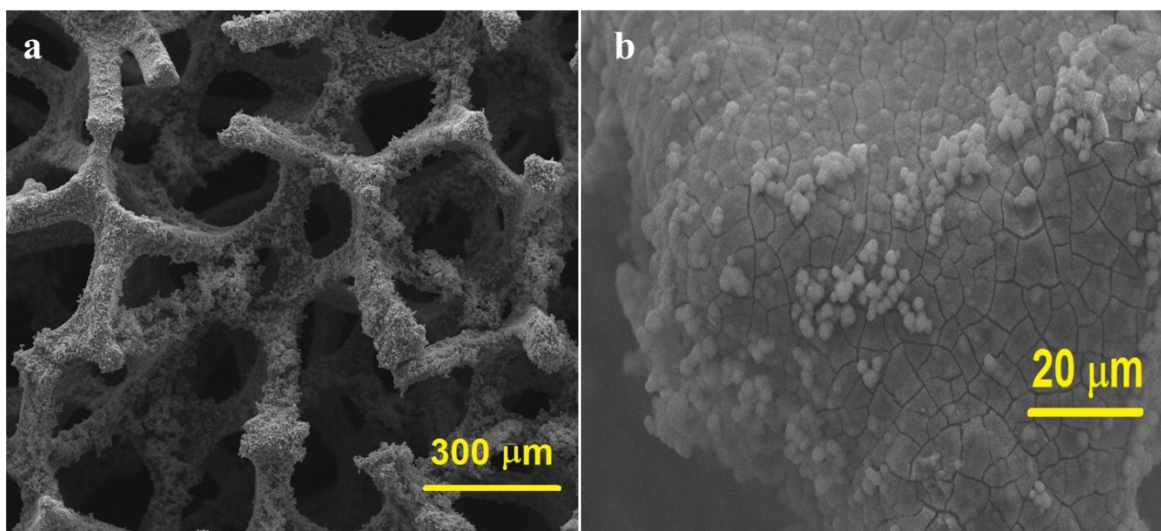


Figure S1. (a) and (b) are SEM images of ND-CoMoO₄/NF electrode with different magnifications

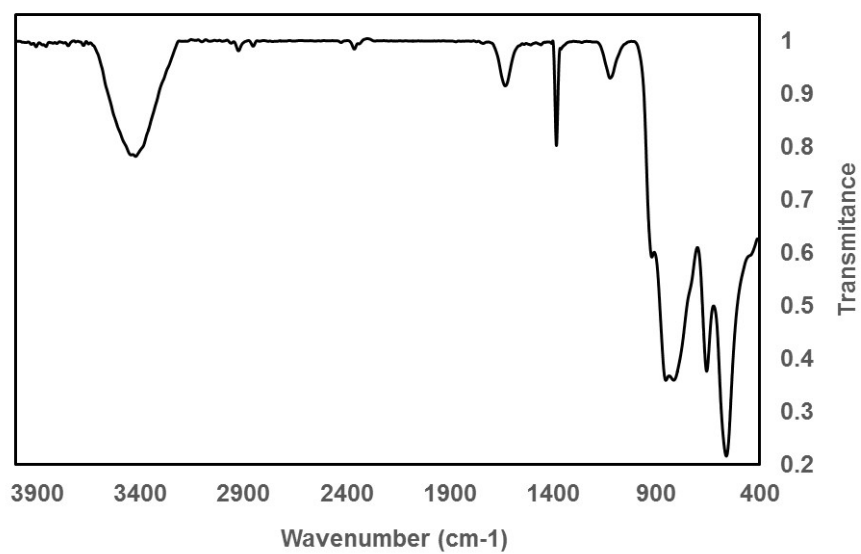


Figure S2: FT-IR spectra of the ND-CoMoO₄ nanostructure

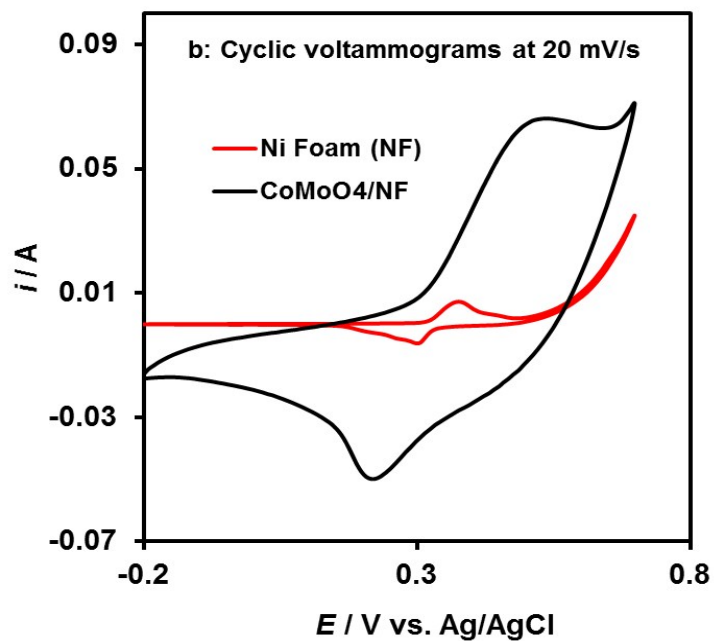


Figure S3. Nickel foam (NF) electrochemical properties compared with ND-CoMoO₄/NF electrodes at a scan rate of 20 mV s⁻¹

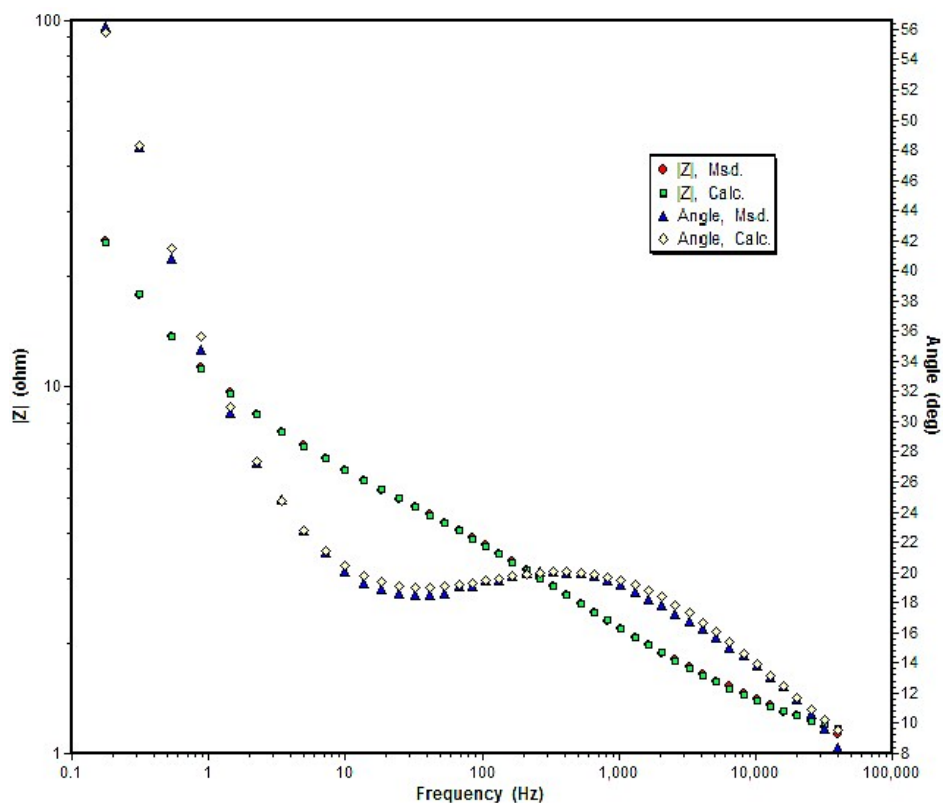


Figure S4: Bode plots (phase angle and magnitude) verses frequency of ND-CoMoO₄/NF electrode

Table S1: Fitting results obtained for ND-CoMoO₄/NF electrode by using appropriate equivalent circuit

Parameter	R_s / ohm	C / mF	R_{ct} /ohm	$CPE-Y_0$ / S s ⁿ cm ⁻²	C_{CPE} / F*	$CPE-n$
Value	1.01	1.37	3.9	0.477	0.568	0.78

* Based on the EIS results, pseudocapacitance for this electrode is approximately 568 F g⁻¹.